

CONSTRUCTION EQUIPMENT JOHN DEERE 544K 653783 - DIESEL ENGINE



Sample No: VCP452239

JOHN DEERE ENGINE OIL PLUS 50 II 15W40

Job No:

	NFORMATION			
Sample Number		VCP452239	VCP409339	
Sample Date		25 Jan 2024	10 Feb 2023	
Machine Hours		19961	19493	
Oil Hours		0	2000	
Oil Changed		N/A	Changed	
Sample Status		ATTENTION	ABNORMAL	
Sample Status		ATTENTION	ADINORIVIAL	
VOLVO				
VIL CONDI	TION			
Visc @ 100°C	cSt	11.0	1 2.1	
Base Number (BN)	mg KOH/g	7.3	6.9	
Oxidation (PA)	%	82	69	
	-	NEC	NEC	
Water	%	NEG	NEG	
Soot %	%	■1.1 02	0.6	
Nitration (PA)	%	92	88	
Sulfation (PA)	%	62	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.5	
Silicon	ppm	5	4	
Sodium	ppm	0	3	
Potassium	ppm	6	2	
VOLVO				
VEAR ME	TALS			
Iron	ppm	25	24	
Copper	ppm	7	47	
Lead	ppm	0	□ <1	
Tin	ppm	0	3	
Aluminum	ppm	3	2	
Chromium	ppm		□ <1	
Molybdenum	ppm	48	66	
Nickel	ppm	0	□ <1	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	0	1	
Vanadium	ppm	0	0	
VOLVO	F			
	7			
Calcium	ppm	1382	1297	
Magnesium	ppm	466	783	
Zinc	ppm	984	1195	
Phosphorus	ppm	750	874	
Barium	ppm	5	2	
Boron		22	2	



OLDCASTLE LAWN AND GARDEN

2427 RWS RANCH RD DAVENPORT, FL JS 33837 Contact: DAVID ORTIZ david.ortiz@oldcastle.com T: (800)833-2984 E: (863)421-1776

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 GREDAVFL

 Unique No:
 10863258

 Signed:
 Don Baldridge

 Report Date:
 07 Feb 2024

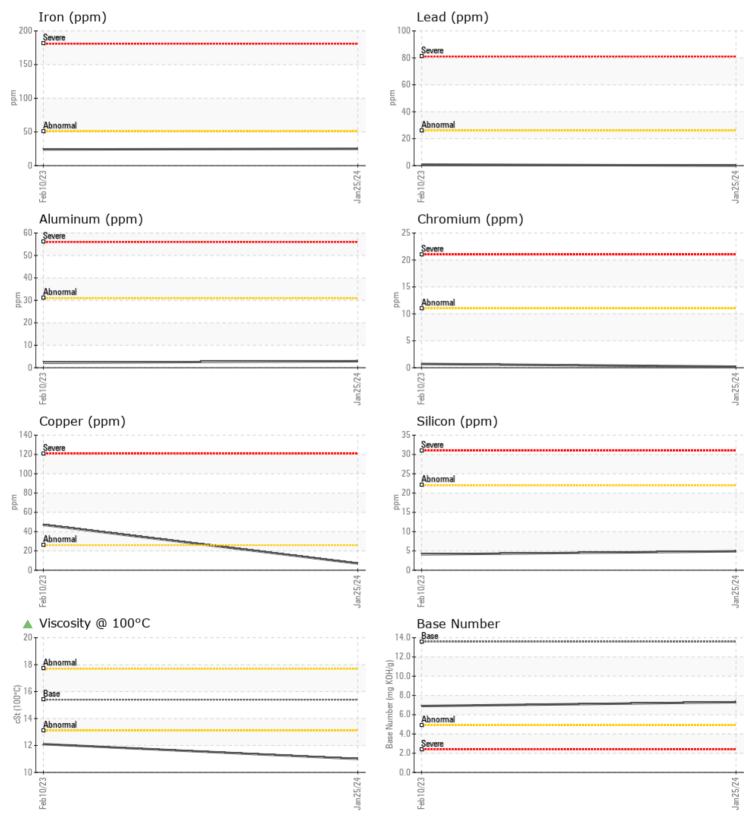
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: GREDAVFL [WUSCAR] 06081167 (Generated: 02/09/2024 13:08:40) Rev: 1

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